

Tameus
Project meeting
Wednesday April 27, 2011, 10:00 - 17:00
Minutes

Participants: Böhlen, Bracher, Cafagna, Taliun, Zoppi

Agenda

- 10:00 - 11:00 Current activities, issues and plans.
- 11:00 - 12:30 Computation of up-to-date summaries.
- 12:30 - 14:00 Lunch.
- 14:00 - 15:00 Data Collection and Integration.
- 15:00 - 16:00 Derived Measurements.
- 16:00 - 17:00 Meeting Bracher and Böhlen.

■ Zafer Adigüzel

- Facharbeit, 3CP
- Title: *Online statistical computation in the feed database*
- Start: 15.10.2010
- Completed: 15.3.2011
- url: http://www.ifi.uzh.ch/dbtg/fileadmin/storage/classes/feed_database/student_projects/zafad.pdf
- Supervisor: Taliun
- Comment: Interesting work. Investigated combinations of nutrients should be coordinated closely with domain experts. Some combinations are not meaningful.

■ Yannick Widmer

- Facharbeit, 3CP
- Title: *Design, Implementation and Testing of the Temporal Swiss Database*
- Start: 25.4.2011
- Completed: 25.3.2010
- url: http://www.ifi.uzh.ch/dbtg/fileadmin/storage/classes/feed_database/student_projects/yannick.pdf
- Supervisor: Taliun

■ Kristin Kruse

- Facharbeit, 12CP
- Title: *Development of a Database System based on geographical information.*
- Start: 1.5.2011
- End: 31.8.2011
- url:
<https://cms.uzh.ch/lenya/ifi/authoring/departments/databaseTechno>
- Software: the goal is to query the Data Warehouse based on geographical parameters and to show the provenance of the data using a graphic tool (i.e. Google Maps).
- Supervisor: Cafagna

■ Samuele Zoppi

- BSc thesis, 17CP
- Title: *Up-to-date summaries (UDS)*
- Start: 16.3.2011
- End: 16.9.2011
- url: http://www.ifi.uzh.ch/dbtg/fileadmin/storage/classes/feed_database/student_projects/uptodate_summaries.pdf
- Software: the goal to compute of up-to-date summaries in temporal feed database; status: java prototype of the algorithm
- Supervisor: Taliun

■ Hannes Tresch

- BSc thesis, 17CP
- Title: *Derived nutrient parameters (DNM)*
- Start: June 2011
- End: 16.9.2011
- url: https://cms.uzh.ch/lenya/ifi/authoring/departments/databaseTechnology/teaching/theses/derived_measurements2.pdf
- software: goal is to build a feed data warehouse with automatically derived nutrient measurements; status: not yet started
- Supervisor: Cafagna

- Organization:
 - The general approach is to have one production system (currently FMDB) and multiple development systems (currently TFDB and TFDW).
 - The systems are progressed independently to maximize flexibility. The source shall be open source. Good findings and results are shared and propagated to other systems.
 - Students develop specialized versions of the feed database independently from the main system. They can develop their own branch or contribute to a branch.
 - For students projects it is important that from the very beginning students have access to systems, code and data so they can proceed and experiment without constraints.

■ FMDB

- Production system hosted at ifi
- host: talis.ifi.uzh.ch (access: Böhlen, Taliun, Cafagna)
- Software:
 - PHP implementation run under Apache web server,
 - MySQL database without remote access,
 - the up-to-date backup up is stored in the SVN repository.
- URL: <http://www.feed-alp.admin.ch/>
- SVN: <https://src.ifi.uzh.ch/dbtg/fmdb/backups>
(access: Böhlen, Taliun, Cafagna)
- HW and SW maintenance: Taliun
- Data maintenance: Bracher

■ TFDB

- Responsible: Taliun
- URL: Not yet online.
- SVN: Not yet online.
- HW and SW maintenance: Taliun

- **TFDW** - Feed Data Warehouse
 - Responsible: Cafagna
 - URL: Not yet online.
 - SVN: Not yet online.
 - HW and SW maintenance: Cafagna

- We need all the data
 - data = innovation = research
 - we use the data to identify and abstract problems,
 - the data ensures the relevance of our work: without data the running of the FDB become a pure service activity,
 - people must have full access to the data and the system to build their own system
 - a non-disclosure agreement.

- Obtaining Current Data:
 - TU May 10 Cafagna and Zoppi visit Agroscope.
 - The goal is to understand and copy data from LIMS system
 - In addition the missing excel files shall be copied
- Open data issue: spatial, biological and technical attributes
 - How to collect?
 - What is the quality?
 - How to enrich the database?

Web Page

- project url:
<http://cms.uzh.ch/lenya/ifi/live/departments/databaseTechnology/>
- FMDB url: <http://www.feed-alp.admin.ch>
- The web page shall list past and planned activities and results, and provide all the information that is necessary for implementation and development:
 - list student projects (description, assignment, report, code)
 - how to access the source code, compile it and run,
 - how to access the data and svn repository,
 - technical manuals and other documentation.
- advertisement on FMDB web page (a la Google ads)
- present SNF project on FMDB web page
- responsible: Taliun and Cafagna

Student Projects

- advertisement and management of student projects:
 - simple and illustrative description of the tasks,
 - archive of student projects with outcomes,
 - list with open projects
- responsible: Taliun, Cafagna and Bracher

Project Management

- The email list fdb@lists.ifi.uzh.ch is used to discuss project related issues. Members of the list are Böhlen, Taliun, Cafagna, Bracher.
- There shall be monthly meetings either in Zürich or in Posieux.
- After each meeting minutes are distributed and sent to fdb@lists.ifi.uzh.ch, guiseppe.bee@alp.admin.ch, monika.boltshauser@alp.admin.ch, walter.stoll@alp.admin.ch
- There is a wish list; everybody is encouraged to contribute; ideas should be described in sufficient detail; illustrative graphs/pictures are fine; send entries to cafagna@ifi.uzh.ch
- responsible: Taliun and Cafagna

Plan for Meetings

- FR 17.6 10-17, APL Posieux, Nutri11
- FR 15.7 10-17, ifi uzh
- FR 19.8 10-17, ifi uzh
- FR 16.9 10-17, ifi uzh
- FR 21.10 10-17, ALP Posieux
- FR 18.11 10-17, ifi uzh
- FR 16.12 10-17, ifi uzh
- FR 20.1 10-17, ifi uzh, 1st Tameus workshop
- FR 17.2, 10-17, ALP Posieux

TODO

- May 10, 2011: meeting Posieux, data exchange
- Integration of temporal and geographical information,
- June, 2011: start of BSc thesis of Hannes Tresch
- June 17, 2011: Nutri11 at Posieux
- Aug 26, 2011: presentation of BSc thesis of Samuele Zoppi
- Fall 2011: paper about TFDW
- January/February 2012: Workshop with presentation of results